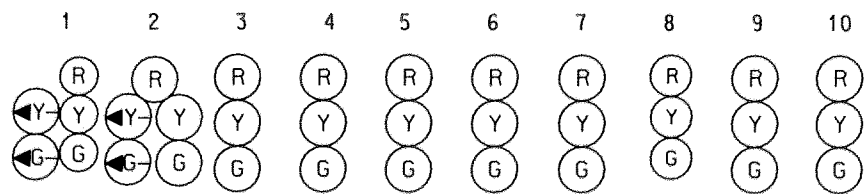


F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

PROJECT DESCRIPTION

MAINTENANCE OF TRAFFIC SPECIAL PROVISIONS

PHASE CHART



PHASE 1 & 6	← G/G	← G/G	G	R	R	R	R	R	R	R	↑
1 CHANGE	← Y/G	← Y/G	G	R	R	R	R	R	R	R	↑
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	←
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	←
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	↑
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	↑

1. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting at the intersection of US 40 and Melbourne Boulevard in Cecil County due to the addition of a driveway on the south leg of the intersection. US 40 is assumed to run in an east-west direction.

The following Traffic Control Standard Numbers shall be referenced for the project.

Standard 105.00	Standard 105.01
Standard 105.02	Standard 105.03

II. INTERSECTION OPERATION

- The intersection is to operate in a NEMA five-phase, fully-actuated mode, with the US 40 approaches running concurrently. The Exclusive /Permissive left turn phase shall remain for the eastbound approach of US 40. The Melbourne Boulevard/Driveway approaches shall also run concurrently.
- The existing pole-mounted cabinet/controller shall be utilized at this intersection. The proposed northbound loop detector shall be wired into the existing spare loop detector amplifier.

Standard 105.102	Standard 105.104
Standard 105.106	Standard 105.108
Standard 105.110	
Standard 105.301	Standard 105.303
Standard 105.305	Standard 105.307
Standard 105.309	Standard 105.311

III. SPECIAL NOTE

All field wiring to the existing controller cabinet shall be terminated to the appropriate controller cabinet connectors by the Contractor and labeled. All other controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two (72) hours in advance of the intended work.

EQUIPMENT LIST

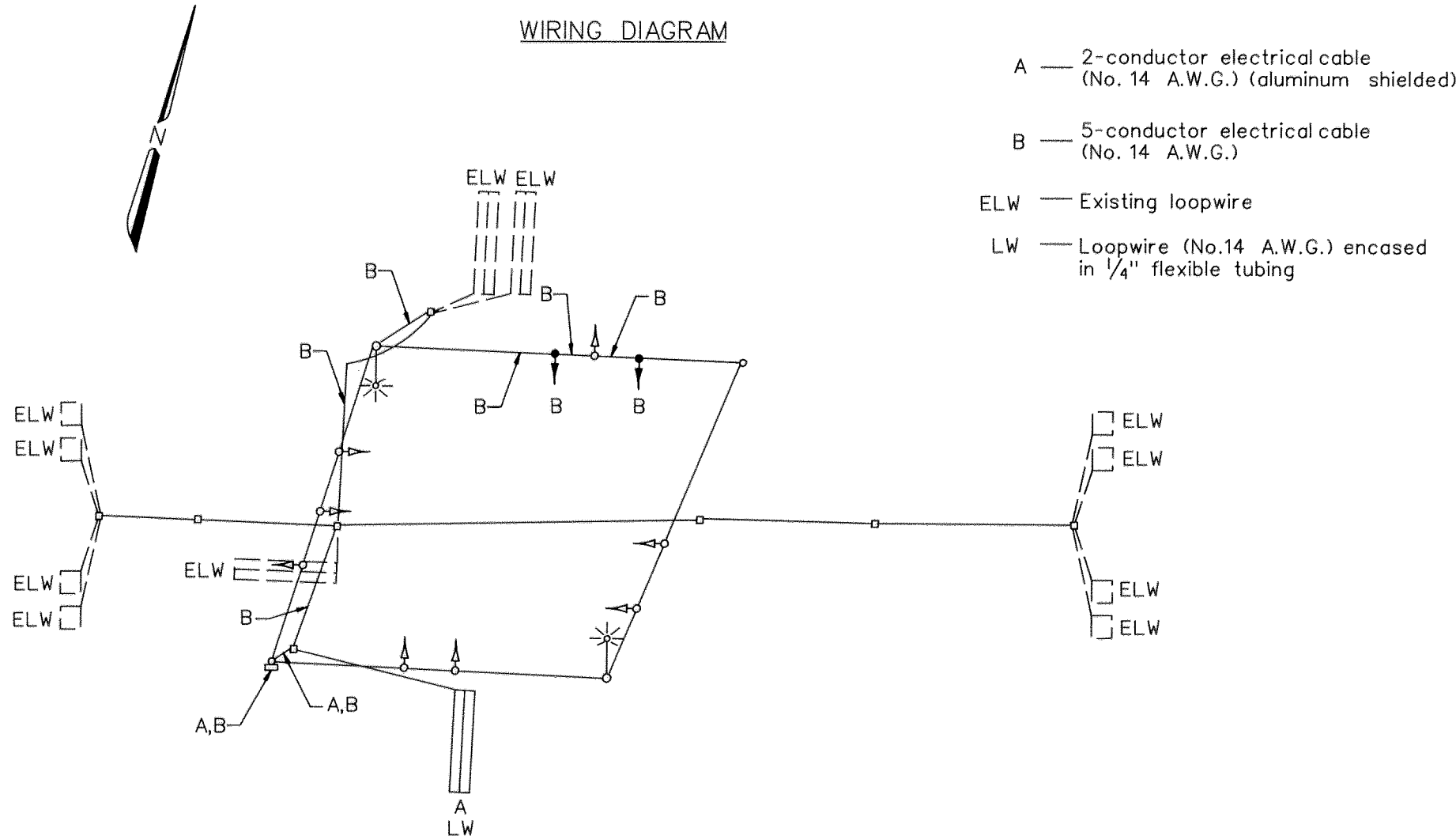
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

QUANTITY	SPEC. SECTION	DESCRIPTION
2 Each	814	12", one-way, three-section (R,Y,G) traffic signal head having proper span wire hangers, balance adjusters and tunnel visors.

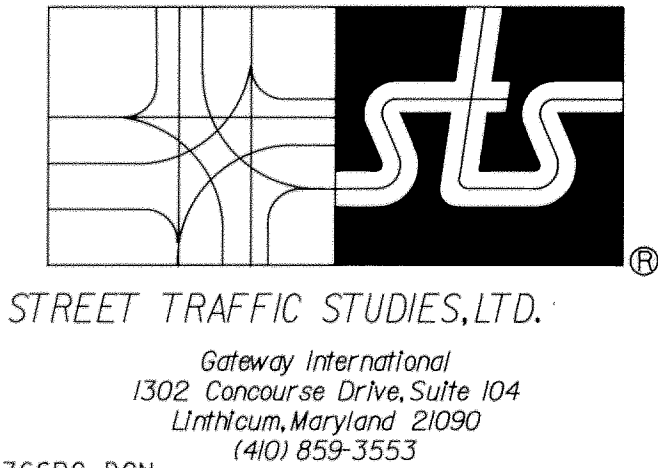
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	SPEC. SECTION	DESCRIPTION
Lump Sum	104	Mobilization.
Lump Sum	104	Maintenance of traffic.
100 S.F.	104	Temporary traffic sign.
1 U.D.	104	Flashing arrow panels.
60 L.F.	SP-555	Furnish and install preformed pavement marking tape, yellow (5" width for centerlines).
15 L.F.	SP-555	Furnish and install preformed pavement marking tape, white (24" width for stoplines).
2 Each	814	Install 12", one-way, three-section traffic signal head, span wire mount.
1 Each	819	Re-ring existing steel span wire.
125 L.F.	815	Furnish and install sawcut.
15 L.F.	805	Furnish and install 1" galvanized steel electrical conduit (detector wire sleeve).
55 L.F.	805	Furnish and install 2" polyvinyl chloride electrical conduit (Schedule 80 (pushed).
40 L.F.	805	Furnish and install 2" polyvinyl chloride electrical conduit (Schedule 40) (trenched).
510 L.F.	810	Furnish and install loop wire (No. 14 A.W.G.) encased in 1/4" flexible tubing.
35 L.F.	810	Furnish and install 2-conductor electrical cable (No. 14 A.W.G.) (aluminum shielded).
330 L.F.	810	Furnish and install 5-conductor electrical cable (No. 14 A.W.G.).
1 Each		Use existing plan on disk and as-built traffic control device.
40 L.F.		Remove existing white edge line.


WIRING DIAGRAM



LOG MILE:



REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION PLAN			
US 40 AND MELBOURNE BOULEVARD			
DATE: 3-31-97	DRAWN BY: THACKER	F.A.P. NO.	PLAN SHEET NO.: 2378B
SCALE:	DESIGNED BY:	S.H.A. NO. BW 969M82	SHEET NO. 2 OF 2
APPROVED BY:	CHECKED BY:	COUNTY CECIL	